

Experiment 1 Report Guidelines

1 Content and Evaluation

The following breakdown of marks will be used when evaluating your report. Keep this in mind when planning and writing.

1. Introduction (10%)
 - Write 1 paragraph summarizing, in your own words, the objectives of this experiment and the main results.
2. Web Server & Client Program Design (25%)
 - Describe the design of your programs. If you structured the program into multiple classes, describe this decomposition and the role of each class.
 - Explain how your program handles various possible errors.
 - Also discuss how your program handles timeouts.
3. Testing (20%)
 - Describe how you tested your implementations of the Client and the Server.
 - Draw a simple flowchart that summarizes what happens when your client makes a file request for the server. Include what happens both when the file is found as well as not found.
 - Are there any features you did not test or that are currently not working in your code?
4. Experiment (20%)
 - Perform the actions mentioned in the Experiment part of Sec 4.2 in the Lab 1 instructions and answer the questions.
5. Discussion (10%)
 - Close with a brief discussion of the key observations obtained in this experiment. What were your main results? What were the main challenges in implementation? How could these possibly be addressed by a different approach?
6. Formatting and Presentation (15%)
 - These marks are related to all of the issues mentioned in the next section.

2 Length and Basic Formatting

Use an 11 point serif font such as Cambria, Computer Modern, Droid Serif, or Times New Roman. Use 1 inch margins and single line spacing. The first page should include the names and ID numbers of both lab partners, your group number. It should also include the words “ECSE 416 Experiment 1 Report” and the date. You do not need to have a separate title page; this information should simply appear at the top of the first page.

All pages should be numbered. Also make sure to number all sections, subsections, figures, tables, and references appropriately, so they can be easily referred to from within the body (text) of your report.

There is no page limit for your report, but long reports that do not concisely express your methodology and observations are strongly discouraged. You should address the points listed above completely and succinctly. The expectation is a report between 3 and 5 pages (e.g. 1.5 pages for Sections 1 and 2, 2 pages for Sections 3 and 4, half a page for Section 5).

Please upload your report in Adobe PDF format (not doc or docx).

2.1 Structure and Organization

Divide your report logically into sections and subsections. Use paragraphs to separate one idea from another. See Section 1 above for more about what content to include in the report.

2.2 Grammar, Language, and Style

Write in complete sentences. Avoid using long bulleted lists. Avoid grammatical and typographical mistakes. Use italic font to *emphasize* a point. **Boldface** should only be used for titles (of sections, subsections, ...). Make sure to proofread your report before submitting it, and use spellcheck.

2.3 Figures, Graphics, and Tables

Figures and tables should be referenced and discussed from within the body of your report. Rather than writing, “The figure below shows the routes from X to Y,” you should write something like, “Figure 1 shows the routes from X to Y.” This avoids ambiguity (e.g., if there are multiple figures below), and also makes it easier to refer to the figure or table at a later point in the report (e.g., to make a comparison to other results).

Graphics (including screen shots) should be legible. Make sure any text in your figures uses a font size which is similar to the font in the rest of the document. Also make sure lines are thick enough to view. We shouldn’t need to zoom in 800x to read text or see lines in a figure. Color can be very useful, especially in figures. Avoid colors that may be difficult to see on screen, such as bright yellow.

Every figure and table should be numbered and should have a caption, providing enough information that a knowledgeable reader can just look at the caption and understand what is being shown in the figure or table. Every figure and table should also be mentioned somewhere within the main body of the report, so that the reader knows where the figure or table fits into the discussion.

2.4 External Sources

If you gathered information from any sources to help with answering the questions in this lab (e.g., the Kurose and Ross textbook, other books, websites), your report should include a References section at the end (before the appendices) listing and numbering all references used. If you list an external source as a reference, you must also refer to it (by number) at the point(s) in the report where the information from the source is relevant.

2.5 Supporting Documents

You are not required to upload any other documents for this lab.

If you have any questions about the information in this document, please don’t hesitate to contact the course staff.